

A Study of the Influence of Deoxidising Elements on
the Kinetics of Desulphurization of Iron by Means of
 S^{32} , by Liu Su-Chen, J. Skala, M. Mandl.

CZECH, per, Hutnicke Listy, Vol XV, No 10, 1960,
pp 755-762.

MT 139

Sci - Chem

Apr 61

149,681

The Use of Steam for Stepping Up the Output of
Open-Hearth Furnaces, by A. Richler.

CZECH, per, Hutnické Listy, Vol XV, No 10,
1960, pp 778-781.

MT 162

Sci - Engr

May 61

148,846

(NY-5911)

Improving the Quality of Roller-Bearing Steel
by Electro-Slag Remelting, by I. Petman, I. Kasik,
39 pp. OFFICIAL USE ONLY

CZECH, per, Hutnicke Listy, Vol XV, No 11, 1960,
pp 839-851.

JPRS 9034

Sci - Min/Metals

H6 5137

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149,824

Apr 61

Influence of the Extrusion Technology on the
Properties of Extruded Aluminium Alloy Bars for
Use in Forge Shops, by J. Kreuter.

CZECH, per, Hutnicke Listy, Vol XV, No 10, 1960,
pp 851-857.

*MT 159

Sci
Mar 63

(NY-5749)

Production of Powdered Iron, by Miroslav Petrolik,
8 pp. OFFICIAL USE ONLY

CZECH, per, Hutnicke Listy, Vol XV, No 11.
8 Nov 1960, pp 857-860.

JPRS 9180

EEur - Czechoslovakia

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Econ

154,247

May 61

The Problem of the Precipitation of Laves Phases
in Modified Twelve Percent Chromium Steels, by
J. Koutsky, J. Jezek.

CZECH, per, Hutnicke Listy, N Vol XV, No 11,
1960, pp 864-867.

MT 160

Sci - Min/Met

156,052

Jun 61

Precipitation Hardening of Low-Alloy Steels,
by M. Klesnil, P. Eys.

CZECH, per, Hutnické Listy, Vol XV, No 11,
1960, pp 867-976.

MT 161

Sci - Min/Met

May 61

148,819

1117-57-20
Fifteen Years of Operation of the Vitkovice
Iron Works, by Oldrich Bohus, 13 pp.
OFFICIAL USE ONLY

CZECH, per, Hutnicka Listy, Vol XV, No 11,
8 Nov 1960, pp 876-879.

Jrno y180

EEur - Czechoslovakia

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Econ

May 61

154,246

Arsenic and Phosphorus in High Alloy Cr and Cr-Ni
Steels, by F. Benes, D. Tlusta.

CZECH, per, Hutnicke Listy, Vol XV, No 12, 1960,
pp 929-936.

BISI 2301

Sci - Min/Metals

171, 426

Oct 61

Certain Technological Problems of the Production
of Aluminium Foils, by M. Braobohaty.

CZECH, per, Hutnicks Listy, Vol XV, No 12, 1960,
pp 936-945.

MT 164

Sci

Sep 62

210,966

Steels and Cast Irons With High Boron Content, by
J. Vrtel.

CZECH, per, Hutnicke Listy, Vol XV, No 212,
1960, pp 945-950.

GB/41/2461

MT 165

Sci - Min/Met; Chem

BISI 440

May 61

148, 829

Steels With Over One Percent Boron Content, by
Z. Eminger.

CZECH, per, Hutnicke Listy, Vol XV, No 12,
1960, pp 955-961.

MT 166

Sci - Min/Met; Chem

May 61

148,844

Structural Changes During the Heat Treatment
of Cast Thirteen Percent Cr Steels, by S.
Drapal.

CZECH, per, Butnicka Listy, Vol XV, No 12,
1960, pp 961-971.

MT 167

Sci - Chem; Min/Met

May 61

148, 842

(DC-5965)

Development of Plastic Coating for Steel, by
Frantisek Wiesner, Marcela Zesulova, 7 pp.
OFFICIAL USE ONLY

CZECH, per, Hutnicke Listy, Vol XV, No 12,
1960, pp 971-978.

JPRS 11505

EFur - Czechoslovakia
Ecom
Jan 62

180,197

(10-5965)

Statistics on Steel Production, 8 pp. OFFICIAL
USE ONLY

CZECH, per, Hutnické Listy, Vol XV, No 12, 1960,
pp 989-990.

JPRS 11505

EFur - Czechoslovakia
Decm
Jan 2 62

180.198

(DD-5965/3)

Technical Development - A Priority Task of the
Third Five-Year Plan, by Frantisek Hradek, 6 pp.
OFFICIAL USE ONLY

CZECH, per, Hutnicke Listy, Vol XVI, No 1,
1961, pp 1-2.

JPRS 8935
X4 COPYRIGHT

EEur - Czechoslovakia
Econ
Oct 61

171,199

(DC-5965/3)

Possibilities of Producing a Low-Sulphur Reduc-
tion Means For Krupp-Renn Processing Plants,
by Bohumir Tejnický, 4 pp. OFFICIAL USE ONLY

CZECH, per, Hutnické Listy, Vol XVI, No 1,
1961, pp 3-7.

JPRS 8935
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EUR - Czechoslovakia
Econ
Oct 61

171, 178

(NY-~~5~~517/4)
6 a

New Developments in Operation of Soviet Coking
Plants, by Bohumil Splichal, 29 pp. 040

CZECH, per, Hutnicke Listy, Vol XVI, No 2,
1961, pp 77-87.

JPRS 9826
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164,386

USSR
Econ
Aug 61

Identification of the Origin of Non-Metallic
Inclusions in Steel by Means of the Radioactive
Isotope Ca^{45} , by T. Myslivec, J. Cadek, et al.

CZECH, per, Hutnicke Listy, Vol XVI, No 2,
1961, pp 94-102.

MT 178

Sci - Min/Metals

210,965

Sep 62

(NY-65)17/b)

Experiences with Operation and Construction of
Rolling Mill Furnaces in the Peoples's Demo-
cracies, by Bedrich ~~KHUX~~ Kasprík, 7 pp. OVO

CZECH, per, Hutnicke Listy, Vol XVI, No 2,
1961, pp 108-113.

JPRS 9827
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164,384

EEur - Soviet Bloc
Econ
Aug 61

The Effect of Heat Treatment ~~on~~ on the Mechanical
Properties of 13% Chromium Steels, by S. Drapal.

GERMAN, per, Hutnicke Listy, Vol XVI, No 2, 1961,
pp 120-123.

MT 179

Sci - ~~Engineering~~ ~~Engineering~~
Feb 63

62-17050

Koutsky, J. and Teindl, J.
SOME REMARKS ON THE BRITTLENESS OF AK 1
STEEL (13%Cr). Feb 62.
Order from MT

MT Trans-180

Trans. of Hutnicke Listy (Czechoslovakia) 1961, v. 16,
no. 2, p. 129-135.

DESCRIPTORS: *Steel, Physical properties, Chromium
alloys.

(Metallurgy--Ferrous Metals, TT, v. 8, no. 3)

- I. Koutsky, J.
- II. Teindl, J.
- III. MT Trans-180
- IV. Toilemache, M. de O.
(Gr. Brit.)

Office of Technical Services

Kalivoda, Ales.
RETAINED AUSTENITE. Jan 63 [11]p. 12 refs.
Order from SLA \$1.60 63-10663

Trans. of Hutnicke Listy (Czechoslovakia) 1961, v. 16,
no. 2, p. 135-138.

DESCRIPTORS: *Austenite, Metallurgy, *Steel,
Chromium alloys, Nickel alloys, Molybdenum alloys,
Mechanical properties, Quenching (Coding), Tempera-
ture, Decomposition, Dynamics.

Topics: Significance of retained austenite in construc-
tion steels; data on the influence of retained austenite
on mechanical properties; study of the retained aus-
tenite content in the Cr-Ni-Mo steels using a mag-
netometer depending on the thermal conditions of aus-
tenitization and the cooling rate on quenching, obser-
vation of retained austenite on tempering at 400°C; and
analysis of results. (Author)

63-10663

I. Kalivoda, A.

(Metallurgy--Ferrous Metals,
TT, v. 10, no. 2)
Office of Technical Services

(NY-6271/s)

Specialization of Production of Rolled Material,
by Oldrich Petrzilka, 8 pp. OFFICIAL USE ONLY

CZECH, per, Hutnické listy, Vol XVI, No 3, 1961,
pp 168-171.

JPRS 9818

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EEur - Czechoslovakia

Econ

Aug 61

16 2,341

Ultrasonic Inspection as a Criterion of the
Service Performance of Large Steel Forgings,
by V. Koblovsky.

CZECh, per, Hutnicke Listy, Vol XVI, No 3,
1961, pp 174-185.

HD 5433

Sci-M/M
Apr 63

229,376

Microstructure and Mechanical Properties of Welded
Joints in Austenitic and Ferritic-Pearlitic
Creep-Resistant Steels for Boilers Operating at High
Parameters, by K. Pawera, V. Pilous, F. Poboril.

CZECH, per, Hutnické Listy, Vol XVI, No 3, 1961,
pp 186-197.

MT 188

Sci - Engr

168,582

Sep 61

Diffusion and Formation of Intermetallic Phases, by
S. Trajkov.

HUNGARIAN, per, Hutn Listy, Vol16, 1961, pp 198-205.

*NTIS TT 71-56042

July 71

(NY-6271/b)

Development of Blast-Furnace Technology, by
Miroslav Prouza, 5 pp. OFFICIAL USE ONLY

CZECH, per, Hutnické Listy, Vol XVI, No 3,
1961, pp 205-208.

JPRS 9818

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162,342

Econ
Aug 61

Sintering of Iron Ores With Partial Replacement of
the Solid Fuel by Another Source of Heat, by
E. Seidler.

CZECH, per, Hutnicke Listy, Vol XVI, No 5, 1961,
pp 307-311.

MT 198

Sci

168, 612

Sep 61

The Use of Heating Oils for Auxiliary Heating in
Hot Blast Stoves, by O. Pavlik, J. Hohn.

CZECH, per, Hutnicke Listy, Vol XVI, No 5, 1961,
pp 312-314.

MT 189

Sci - Engr

168,581

Sep 61

The Effect of Hydrogen on the Properties of Large
Forgings of CrNiMo Steel, by I. Zlatnik.

CZECH, per, Hutnicka Listy, Vol XVI, No 5, 1961,
pp 325-335.

MT 199

sci - Chem

Sep 61

168,610

Heating of the Charge in a Two-Way Fired Soaking Pit,
by S. Cernoch, I. Repisky, E. Spakovsky.

CZECH, per, Hutnicka Listy, Vol XVI, No 5, 1961,
pp 335-342.

MT 200

Sci - Phys

168,589

Sep 61

Aluminium Nitride in Steel and Its
Determination, by A. Samhova.
CZECH, per, Hutnicke Listy, Vol 16, No 6,
1961, pp 430-435.
MT-499

Sci-Materials
Oct 66

313,217

Possible Methods of Improving the Quality of Railway
Rails, by S. Horejs.

CZECH, per, Hutnické Listy, Vol XVI, No 8, 1961,
pp 533-539.

MT 207

Sci - Engr

Sep 61

168,603

The Occurrence of Conchoidal Fracture During the
Overheating of Steel, by J. Elfmark, O. Sedenka.

CZECH, per, Hutnicke Listy, Vol XVI, No 8, 1961,
pp 546-552.

MT 208

Sci - Min/Metals

Sep 61

168,601

Precipitation in Low-Carbon Steel Under Cyclic
Loading, by M. Klesnil, P. Rys.

CZECH, per, Hutnicke Listy, Vol XVI, No 8, 1961,
pp 565-572.

MT 209

Sci - Min/Metals

168,596

Sep 61

Separation and Determination of the Si Phase
Constituents in Slags, by F. Chaus.

CZECH, per, Hutnicke Listy, Vol XVI, No 8, 1961,
pp 587-588.

MT 210

Sci - Chem

168,590

Sep 61

Spectral Analysis of Silicon, Manganese, Copper, and
Tin in Ferro-Tungsten, by A. Svehla, O. Kvopkova,-

CZECH, per, Hutnicke Listy, Vol XVI, No 8, 1961,
pp 588-590.

MT 211

Sci - Min/Metals

168, 612

Sep 61

Oil Addition to the Charge for Coking, by
B. Solichal.

CZECH, per, Hutnické listy, Vol XVI, No 9, 1961,
pp 609-617.

B. Coko A.A.

Sci - Fuels
Aug 63

341,397

(DE-5965)

Notes Concerning the Present and Prospective
State of Production and Processing of Lumps
Using the Krupp-Remm Process, by B. Tejnicky,
12 pp. GOVERNMENT USE ONLY

CZECH, per, Hutnické Listy, Vol XVI, No 9, 1961,
pp 618-621.

JPRS 12832

EBur - Czechoslovakia
Econ
Mar 62

189,589

The Effect of Structural Changes in the Mechanical
Properties of Hardenable Creep-Resistant Steel
35Ni-15Cr-3W-Ti, Al, by L. Cizek, J. Jezek, J.
Voboril.

CZECH, per, Hutnicke Listy, Vol XVI, No 9, 1961,
pp 637-645.

NT 214

Sci - Chem

193, 725

May 62

(DC-5956)

Heat Generation and Consumption in Metallurgical
Establishments, by Ladislav Mixan, 15 pp.

OFFICIAL USE ONLY

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CZECH, per, Hutnicke Listy, Vol XVI, No 9,
1961, pp 651-654.

JPRS 12407

EEur - Czechoslovakia
Econ
Feb 62

186,361

(DC-5965)

Conference on Economical Utilization of Metals
in the Field of Iron Metallurgy, by V. David,
18 pp. OFFICIAL USE ONLY

CZECH, per, Hutnické listy, Vol XVI, No 9,
1961, pp 677-679.

JPES 12407

ESur - Czechoslovakia
Econ
Feb 62

186,362

(00-59650

The House of the State Institute for the
Designing of Metallurgical Plants, by
A. Bynek, 5 pp. OFFICIAL USE ONLY

CZECH, per, Hutnicki Listy, Oct 1961.

JPRS 11535

BEur - Czechoslovakia
Econ
Dec 61

172 161

Development of Basic Oxygen LD Steel Plants,
by J. Jicinsky.

CZECH, per, Hutnicke Listy, Vol XVI, No 10,
1961, pp 704-710.

HB 5366

Sci-N/M

Aug 63

543,493

Comment on the Article of Liu-Su-Chen, J. Shale
and K. Bandl: A Study of the Influence of
Reoxidizing Elements and on the Kinetics of the
Desulphurisation of Iron by Means of S35, by
V. Friedrich.

CZECE, per, Hutnicke Listy, Vol XVI, No 10, 1961,
pp 740-743.

MT 215

Sci - Chem

May 62

193,724

(DC-5205)

The Significance of Automation for the Development of Metallurgical Industry in Czechoslovakia, by Miroslav Smok, 15 pp.
OFFICIAL USE ONLY

CZECH, per, Hutnicke Listy, Vol XVI,
No 11, XNUM 1961, pp 761-766.

JPRS 11535

7

EEur - Czechoslovakia

173, 158

Econ

Dec 61

(10-5505)

International Conference on Methods of
Analysis, Control, and Regulation of
Metallurgical Processes Involving the
Use of Measuring and Computation Tech-
niques, by Miroslav Knotek, 13 pp.
OFFICIAL USE ONLY

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CZECH, 901, Technické Listy, Vol XVI,
No 11, 1961, pp 766-770.

JPRS 11535

7
172, 159

EEur - Czechoslovakia
Econ
Dec 61

(K-1005)

Production of Al_2O_3 and Opportunities for
Its Further Development in Czechoslovakia,
by Zdenek Svejda, 16 pp. OFFICIAL USE ONLY

CZECH, per, Hutnicke Listy, Vol XVI,
No 11, 1961, pp 788-793.

JPRS 11935

EHar - Czechoslovakia

Page

Doc 61

7
178,160

Curves of Strain Hardening During Cold Mechanical
Working, by V. Pasek.

CZECH, per, Hutnicke Listy, Vol XVI, No 11, 1961,
pp 803-806.

✓
*MT 240

Sci

14 Sep 62

Sedlacek, V.

VACUUM AS THE PROTECTIVE ATMOSPHERE DURING THE ANNEALING OF NON-FERROUS METALS.
Dec 62.

Order from MT \$20.00

MT Trans-241

Trans. of Hutnicke Listy (Czechoslovakia) 1961, v. 16, no. 11, p. 806-810.

DESCRIPTORS: Vacuum apparatus, *Annealing, *Vacuum furnaces, *Metals.

(Metallurgy, TT, v. 9, no. 6)

63-12560

- I. Sedlacek, V.
- II. MT Trans-241
- III. Tollemache, M. de O.
(Gr. Brit.)

Office of Technical Services

Kremer, R. and Redr, M.
SCALING LOSS IN SOAKING PITS. Dec 62.
Order from MT \$17.20 MT Trans-245

Trans. of Hutnicke Listy (Czechoslovakia) 1962, v. 17,
no. 1, p. 19-23.

DESCRIPTORS: *Steel, Processing, *Oxidation, Phase
studies.

(Metallurgy, TT, v. 9, no. 6)

63-12561

I. Kremer, R.
II. Redr, M.
III. MT Trans-245
IV. Tollemache, M. de O.
(Gt. Brit.)

Office of Technical Services

Effect of Mechanical Working in ~~Vacuo~~ Vacuo on the
Properties of Ferritic Creep-Resistant Steels, by
J. Koutsky, Z. Kletecka, S. Vetyska.

CZECH, per, Hutnicke Listy, Vol XVII, No 1, 1962,
pp 31-37.

*MT 246

Sci

14 Sep 62

Changes in Surface Characteristics on Heating of
Polymer in Air, by Vladimir Sedláček 14 pp.

TRNEN, Petr. Estimate Party, Vol XVII. 1962.
pp. 5-11.

9212456

ANC-TH-3500

Vol. XVII. 1962.

pp. 63

341,455

Hot and Cold Strip Rolling of Steels for Dynamo
Sheets, by V. Dedek, N M. Zidek.

CZECH, per, Hutnicke Listy, Vol XVII, No 2, 1962,
pp 101-110.

~~MT~~ 248

Sci

14 Sep 62

Smrha, L. and Brodsky, I.
THE EFFECT OF VARIOUS ACTIVATORS ON THE
REACTIVITY OF EXOTHERMIC MIXTURES OF THE
NON-THERMIT TYPE. Sep 63.
Order from MT \$16. 15

MT Trans-239

Trans. of ~~Hutnické Listy~~ (Czechoslovakia) 1962, v. 17,
no. 2, p. 111-114.

DESCRIPTORS: *Aluminum, *Combustion, *Catalysts,
Oxygen, Mixtures, Ignition, Fluorides, Oxides, Re-
duction.

(Metallurgy, TT, v. 10, no. 11)

63-22740

- I. Title: Exothermic
- I. Smrha, L.
- II. Brodsky, I.
- III. MT Trans-239
- IV. Tollemache, M. de O.
(Gt. Brit.)

Office of Technical Services

Recovery Processes in Fe-C-N Alloys After Static and
Dynamic Loading, by M. Klesnil, M. Holzmann, P. Rys.

CZECH, per, Hutnicke Listy, Vol XVII, No 4, 1962,
pp 265-272.

*MT 25425k

Sci

14 Sep 62

Data Obtained During Vacuum Treatment of Steel Outside
the ~~Melt~~ Melting Furnace as Production Practice at the
Lenin Works in Pilsen, by A. Fiala.

CZECH, per, Hutnicke Listy, No 5, 1962, pp 305-311.

*MT 261

Sci

14 Sep 62

Edmark, J.

THE FORGEABILITY OF 12% CHROMIUM HEAT-
RESISTING STEELS, Sep 63.

Order from MT \$24.50

MT Trans-262

Trans. of Hutnicke Listy (Czechoslovakia) 1962, v. 17,
no. 5, p. 311-318.

DESCRIPTORS: *Heat resistant metals and alloys,
*Steel, *Chromium alloys, Forging, Ferrites,
Fracture (Mechanics), Mechanical working.

(Metallurgy, TT, v. 10, no. 11)

63-22735

I. Edmark, J.

II. MT Trans-262

III. Tollemache, M. de O.
(Gt. Brit.)

Office of Technical Services

63-17804

Skala, J., Mandl, M., and Novak, F.
[A STUDY OF THE INFLUENCE OF DEOXIDISING
ELEMENTS ON THE KINETICS OF DESULPHURISA-
TION OF IRON BY MEANS OF S^{35}] PT. II. June 63.
Order from MT \$28.75 MT Trans-294

Trans. of Hutnicke Listy (Czechoslovakia) 1962, v. 17,
no. 6, p. 383-390.

DESCRIPTORS: *Iron, Reduction (Chemistry), *Sulfur,
Isotopes, *Reaction Kinetics.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 8)

- I. Skala, J.
- II. Mandl, M.
- III. Novak, F.
- IV. MT Trans-294
- V. Tollemache, M.
de O. (Gr. Brit.)

Office of Technical Services

x
The Effect of Sulphur Content on the Quality of
Seamless Tubes, by J. Duda.
CZECH, per, Hutnicke Listy, Vol XVII, No 6, 1962,
pp 390-395.
BISI 3622
CRL/T. 4017x

Sci - M/M
May 64

258,927

Myslivec, T., Morloch, Z., and Bartek, B.
EXPERIENCE IN THE PRODUCTION OF SEMI-
KILLED STEEL FOR HEAVY PLATES. June 63.
Order from MT \$33.00 MT Trans-268

Trans. of Hutnicke Listy (Czechoslovakia) 1962, v. 17,
no. 7, p. 462-471.

DESCRIPTORS: *Steel, Production, *Metal plates.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 5)

63-17799

- I. Title: Semikilled steel
- I. Myslivec, T.
- II. Morloch, Z.
- III. Bartek, B.
- IV. MT Trans-268
- V. Tollemache, M. de O.
(Ct. Brit.)

Office of Technical Services

Smrha, L. and Chvolka, J.
PROBLEMS OF THE USE OF EXOTHERMIC MIX-
TURES. Sep 63.
Order from MT \$23.00 MT Trans-269

Trans. of Hutnické Listy (Czechoslovakia) 1962, v. 17,
no. 7, p. 472-479.

DESCRIPTORS: *Powders, *Aluminum, Steel industry,
Castings, Mixtures, Heating, *Powder metals.

(Metallurgy, TT, v. 10, no. 11)

63-22734

- I. Title: Exothermic
- I. Smrha, L.
- II. Chvolka, J.
- III. MT Trans-269
- IV. Tollemache, M. de O.
(Gt. Brit.)

Office of Technical Services

(NY-2400)

THE FIRST CZECHOSLOVAK PLANET ROLLING MILL AND
ITS TECHNICAL PROBLEMS, BY WIESNER, 14 PP.
GOVERNMENT USE ONLY

CZECH, PER, HUTNICKE LISTY, VOL XVII, NO 7,
JUL 1962, PP ~~489-493~~.

JPRS 15055

EEUR % CZECH
ECON
SCI ENGR
SEP 6

209,538

Holeczy, J., Sehnalek, F., and Schmiedl, J.
OXIDATIVE VOLATILIZATION SMELTING OF AN-
TIMONY SULFIDE CONCENTRATES. [1963] 7p.
Order from ATS \$11.25 ATS-78Q67C

Trans. of Hutnicke Listy (Czechoslovakia) 1962, v. 17,
no. 7, p. 503-507.

DESCRIPTORS: *Antimony compounds, *Sulfides,
*Smelting, Oxidation, Vaporization.

(Metallurgy, TT, v. 9, no. 8)

63-12810

- I. Holeczy, J.
- II. Sehnalek, F.
- III. Schmiedl, J.
- IV. ATS-78Q67C
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS CJ-7128

Office of Technical Services

Fiala, A.

A NEW METHOD OF TAKING SPECIMENS OF
LIQUID VACUUM TREATED STEEL FOR DETERMI-
NATION OF THE CONTENTS OF ATOMIC HYDRO-
GEN AND OF OXIDE INCLUSIONS BY MEANS OF AN
IMMERSION PROBE. June 63.

Order from MT \$12.00

MT Trans-277

Trans. of Hutnicke Listy (Czechoslovakia) 1962, v. 17,
no. 8, p. 581-582.

DESCRIPTORS: *Steel, Quantitative analysis,
Hydrogen, Oxides, Impurities, Liquids, Test methods.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 5)

63-17800

I. Fiala, A.

II. MT Trans-277

III. Tollemache, M. de O.
(Gr. Brit.)

Office of Technical Services

Vacuum Welding in Consumable-Electrode Arc
Furnaces on Laboratory Scale. Part I. by
I. Z. Frolinger, Z. Kieteka

CZECH, per, Technicke Listy, Vol XVII, no 9,
1962, pp 617-626.

HB 5696

Sci-M/M
Apr 63

229,385

Smrha, L.
THEORETICAL DETERMINATION OF INGOT
FEEDER HEAD SIZE ON THE BASIS OF ITS
THERMAL BALANCE. June 63.
Order from MT \$14.35

MT Trans-278

Trans. of Hutnicke Listy (Czechoslovakia) 1962, v. 17,
no. 9, p. 626-629.

DESCRIPTORS: *Thermodynamics, *Castings,
Theory, Design.

(Metallurgy, TT, v. 10, no. 5)

63-17801

- I. Title: Exothermic risering
- I. Smrha, L.
- II. MT Trans-278
- III. Tollemache, M. de O.
(Gt. Brit.)

Office of Technical Services

~~XXXXXXXXXXXX~~

CORROSION PROPERTIES OF AUSTENITIC NICKET AND
MOLYBDENUM ALLOYED CHROME MANGANESE STAINLESS
STEEL, BY F. POBORIL, 21 PP. GOVERNMENT USE ONLY

CZECH, PER, HUTNICKÉ LISTY, VOL XVII, NO 10,
OCT 1962, PP 705-711.

JPRS 17058

EEUR - CZECH - ECON

SCI - M/M

JAN 63

NOT 5/5

219,119

Jezek, J. and Voboril, J.
METHODS OF PREPARATION OF THIN FOILS FOR
THE STUDY OF METAL STRUCTURES IN THE
ELECTRON MICROSCOPE. June 63.
Order from MT \$17.25

MT TRANS-296

Trans. of Hutnicke Listy (Czechoslovakia) 1962, v. 17,
no. 10, p. 720-724.

DESCRIPTORS: *Foil, Preparation, *Metallography,
Electron microscopes, Thin films.

(Metallurgy, TT, v. 10, no. 5)

63-17805

I. Jezek, J.
II. Voboril, J.
III. MT Trans-296
IV. Tollemache, M. de O.
(Gt. Brit.)

Office of Technical Services

EQUIPMENT FOR MULTI-LEVEL SEPARATION OF LOOSE
MATERIALS, BY ZDENEK URBANEK, & FRANTISEK
SIOSTRZONEK, 8 PP. GOVERNMENT USE ONLY

CZECH, PER, HUTNICKE LISTY, VOL XVII, NO 10,
OCT 1962, PP 727-729.

JPRS 17058

EEUR - CZECH
ECON
SCI - ENGR
JAN 63

219,120

SEMINAR ON PIT FURNACES, BY M. GOTTWALD, 6 PP.
GOVERNMENT USE ONLY

FZECH, PER, HUTNICKE LISTY, VOL XVII,
NO 10, OCT 1962, PP 755-756.

JPRS 17058

EEUR - CZECH

ECON

SCI - ENGR

JAN 63

219,121

Effect of Particle Size Distribution of
Charge on the Formation and Mechanical
Strength of Green Pellets, by K. Sarczek,
J. Kendl,

CZECH, per, Hutnické Listy, Vol XX XVII,
No 11, 1962, pp 761-766.

HB 5826

Sci- M&M
May 63

229,820

ORGANIZATIONAL PROBLEMS CONNECTED WITH THE
MANAGEMENT OF TECHNOLOGICAL DEVELOPMENT IN
METALLURGICAL ENTERPRISES, ~~8X~~ 19 PP.
GOVERNMENT USE ONLY

CZECH, PER, HUTNICKE LISTY, VOL XVII, NO 11,
1962, PP 801-807.

JPRS 17334

EEUR - CZECH
ECON
JAN 63

221,017

Kupka, F. and Zlatohlavek, F.
FORGING OF THE SWING ARM LINKS FOR
BLOOMING MILL FLYING SHEARS. Mar 64.
Order from MT \$14.35 MT Trans-332

Trans. of Hutnické Listy (Czechoslovakia) 1962, v. 17,
no. 12, p. 853-856.

(Metallurgy, TT, v. 12, no. 2)

TT-64-22051

- I. Kupka, F.
- II. Zlatohlavek, F.
- III. MT-Trans-332
- IV. Tollemache, M. de O.,
Burrington (England)

Office of Technical Services

Photometric Determination of Zirconium in Steel,
by K. Rericha and V. Mayer.
CZECH, per, Hutn Listy, Vol 17, No 12, 1962,
pp 883-884.

HISI 5592
NLL REF: 9022.06 (5592)

Sci-Mat
Dec 67

346,612

STUDY OF METALS AND METALLURGY AT INSTITUTES
OF CZECHOSLOVAK ACADEMY OF SCIENCE, BY J. TEINDRL,
5 PP. GOVERNMENT USE ONLY

CZECH, PER, HUTNICKE LISTY, VOL XVII, NO 12,
1962, PP 905-906.

JPRS 17481

EUR - CZECH

SOC

SCI, M/M

FEB 63

221,370

MEETING ON TEMPERATURE REGULATION IN PLZEN,
BY R. POKORNY, 7 PP. GOVERNMENT USE ONLY

CZECH, PER, HUTNICKE LISTY, VOL XVII, NO 12,
1962, PP 906-907.

JPRS 17481

SCI - ENGR

FEB 63

221,371

INTERNATIONAL CONFERENCE ON POWDER
METALLURGY, BY L. JENICEK, 6 PP.
GOVERNMENT USE ONLY

CZECH, PER, HUTNICKE LISTY, VOL XVII, NO 12,
1962, PP 908-909.

JPRS 17481

SCI M/M

FEB 63

221,372

Method of Heat Treatment of Heavy Forgings and
Rolled Products From Carbon and Alloy Steels,
by L. Toman, J. Hladky, *1/2*.

CZECH, per, Hutnicke Listy, Vol XVII, No 12,
1962, pp 910-911.

*/*ACSI I-3243
ID 2244420
519th MI Bn

Sci - M/M, Phys
Aug 63

Hyspecka, L. [udmila] and others.
THERMOMECHANICAL TREATMENT OF STRUC-
TURAL STEELS. Sep 63.
Order from MT \$28.70 MT Trans-306

Trans. of Hutnicke Listy (Czechoslovakia) 1963, v. 18,
no. 1, p. 44-48.

DESCRIPTORS: *Steel, Mechanical working, Deforma-
tion, Plasticity.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 11)

63-22746

- I. Title: Tempering
- I. Hyspecka, L.
- II. MT Trans-306
- III. Tollemache, M. de O.
(Gt. Brit.)

Office of Technical Services

MEETING OF SPECIALISTS ON ELECTROTECHNICAL SILICON
STEELS, BY J. BECVAR, 7 PP.
GOVERNMENT USE ONLY

CZECH, P^W HUTNICKE LISTY, VOL XVIII, NO 1,
1963, PP 69-71.

JPRS 17985

SCI - MET- MAT

MAR 63

225,549

FOURTH ALL-STATE CONFERENCE OF STEEL SPECIALISTS,
BY ING. FR. JANSCH, 12 PP. GOVERNMENT USE ONLY

CZECH, PER, HUTNICK, LISTY, VOL XVIII, NO 2,
1963, PP 146-149.

JPRS GUO: 083

SCI - M/M
MAY 63

230,946

Cernoch, S. and others.
IMPROVEMENTS IN BLAST-FURNACE STOVE
THERMAL EFFICIENCY. Sep 63.
Order from MT \$30.15 MT Trans-309

Trans. of Hutnicke Listy (Czechoslovakia) 1963, v. 18,
no. 3, p. 157-166.

DESCRIPTORS: *Heaters, *Blast furnaces, Gas flow,
Model tests.

(Metallurgy, TT, v. 10, no. 11)

63-22745

- I. Cernoch, S.
- II. MT Trans-309
- III. Tollemache, M. de O.
(Gt. Brit.)

Office of Technical Services

SAVING OF ELECTRIC POWER IN ROLLING MILLS, BY
VLADIMIR PXOKORNY, VACLAV BEM, 16 PP. GOVERNMENT
USE ONLY

CZECH, PER, HUTNICKE LISTY, VOL XVIII, NO 3,
1963, PP 179-185.

JPRS GUO: 064

EEUR - CZECHOSLOVAKIA
ECON
APR 63

228,450

Heat Losses Through the Brickwork of the
Working Space of Soaking Pit Furnaces,
by R. Kremer, B. Lonsky.
CZECH, per, Hutn. Listy, Vol 18, No 3, 1963,
pp 185-193.
BISI 4863

Sci-M&M
Jul 66

306,196

Some Principles Governing the Compaction of
Uranium Dioxide Powders, by L. KJakesova,
et al.

CZECH, per, Hutnicke Listy, Vol XVIII, No 3,
1963, pp 193-196.

HB 5921

Sci-M/M

Aug 63

343,488

USE OF HEATING OILS IN ROLLING MILLS, BY
JIRI MALIK, 17 PP. GOVERNMENT USE ONLY

CZECH, PER, HUTNICKE LISTY, VOL XVIII, NO 4,
1963, PP 247-253.

JPRS GUO: 124

EEUR-CZECH
ECON.

JUN 63

B181 3556

234,746

Klesnil, M.
EFFECT OF CARBONTRIDE LAYER ON THE FA-
TIGUE PROCESS OF CARBON STEEL, Sep 63.
Order from MT \$7.90 MT Trans-328

Trans. of Hutnicke Listy (Czechoslovakia) 1963, v. 18,
no. 5, p. 349-350.

DESCRIPTORS: *Steel, Carbon, *Fatigue (Mechanics),
Cyanogen, Hardness, Brittleness, Surface properties.

(Metallurgy--Ferrous Metals, TT, v. 10, no. 11)

63-22751

I. Klesnil, M.
II. MT Trans-328
III. Tollemache, M. de O.
(Gt. Brit.)

Office of Technical Services

OSTRAVA METALLURGICAL AND FOUNDRY COLLOQUIUM, BY
BOHUMIL POCTA, ZDENEK STOKLASA, 6 PP. GOVERNMENT
USE ONLY

CZECH, PER, HUTNICKE LISTY, VOL XVIII, NO 5, 1963,
PP 374-376.

JPRS GUO: 132

EEUR - CZECH
ECON .

JUL 63

235,257

Plasma Arc Melting and Refining of Metals, by J. Zboril.
CZECH, per, Hutnicke Listy, Vol XVIII, No 6, 1963, pp 401-403.

HB 6070

Sci - M/M

Mar 64

250,791

The Determination of the Lengths of the Thick Ends
of Reduced Tubes, by D. Valenta.

CZECH, per, Hutnicke Listy, Vol XVIII, No 6,
1963, pp 404-406.

BISI 3607

Sci - M/M
May 64

257,029

Improving the Quality of Al Conductor Wire Produced by
Continuous Casting and Rolling, by K. Strnad,
F. Vaja,
CZECH, per, Hann. Listy, Vol 18, No 8, 1963,
pp 566-575.
MT 391

EEur-Czech
Sci/M&M

Apr 65

277,096

PREPARATION OF RADIOISOTOPES FOR METALLURGY, BY
K. SVOBODA, B. MUDROVA, 7 PP. GOVERNMENT USE ONLY

CZECH, PER, HUTNICKE LISTY, VOL XVIII, NO 8, 1963,
PP 580-583.

JPRS GUO 186

SCI - MAT & MET
OCT 63

240,543

Kuba, Jaromir and Uncovsky, Adolf.
MEASUREMENT OF THE LEVEL HEIGHT OF
MELTED METAL IN THE CRYSTALLIZATOR (Mereni
Vysky Hladiny Roztaveneho Kovu v Krystalizatoru).
[1963] [13p] (foreign text included) 8 refs
Available on loan from SLA

TT-64-14642

Trans. of Hutnicke Listy (Czechoslovakia) 1963, v. 18,
no. 9, p. 635-638.

DESCRIPTORS: *Liquid metals, *Steel, *Casting,
Automation, Crystallization, *Thermoelectricity,
*Tracer studies, *Nuclear industrial applications.

(Metallurgy, TT, v. 11, no. 9)

TT-64-14642

I. Title: Continuous casting
I. Kuba, J.
II. Uncovsky, A.

Office of Technical Services

All-State Blast Furnace Conference, by Vaclav Cerny, 7 pp.
GOVERNMENT USE ONLY
CZECH, per, Hutnicke Listy, Vol XVIII, No 9, 1963,
pp 680-682. ~~(Table of Contents)~~

JPRS GUO 209

EE-Czechoslovakia
Econ
Feb 64

249, 467

Effect of the Degree of Forging Deformation on
the Elimination of Carbide Inhomogeneity in
High-Speed Steels and Problems of the Use of
Larger Ingots, by J. Mucka, Jaromir Sykora.
CZECH, per, Hutnichke Listy, Vol 18, No 10,
1963, pp 18-711
GB/228/MT 352 - 9

Sci -
Jul 67

335,044

Pipes Occurring in Circular Section Ingots Teemed
Without Feeder Heads, by J. Chvojka, L. Smrha.
CZECHOSLOVAKIAN, per, Hutn Listy, Vol 18, No 10, 1963,
pp 700-707.
CRL/T.3675
Vol 17, No 3, 1969

July 69

385-197

Pipes Occurring in Circular Section Ingots
Teemed Without Feeder Heads, by J. Chvojka,
L. Smrha.
CZECH, per, Hutn. Listy, Vol 18, No 10, 1963,
pp 700-707.
BISI 6527

Sci- Materials
Apr 69

377,782